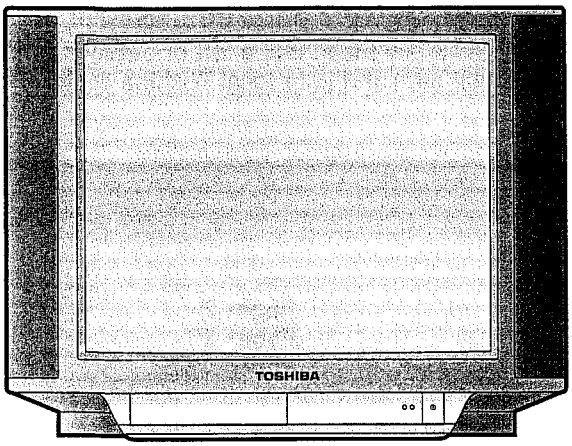
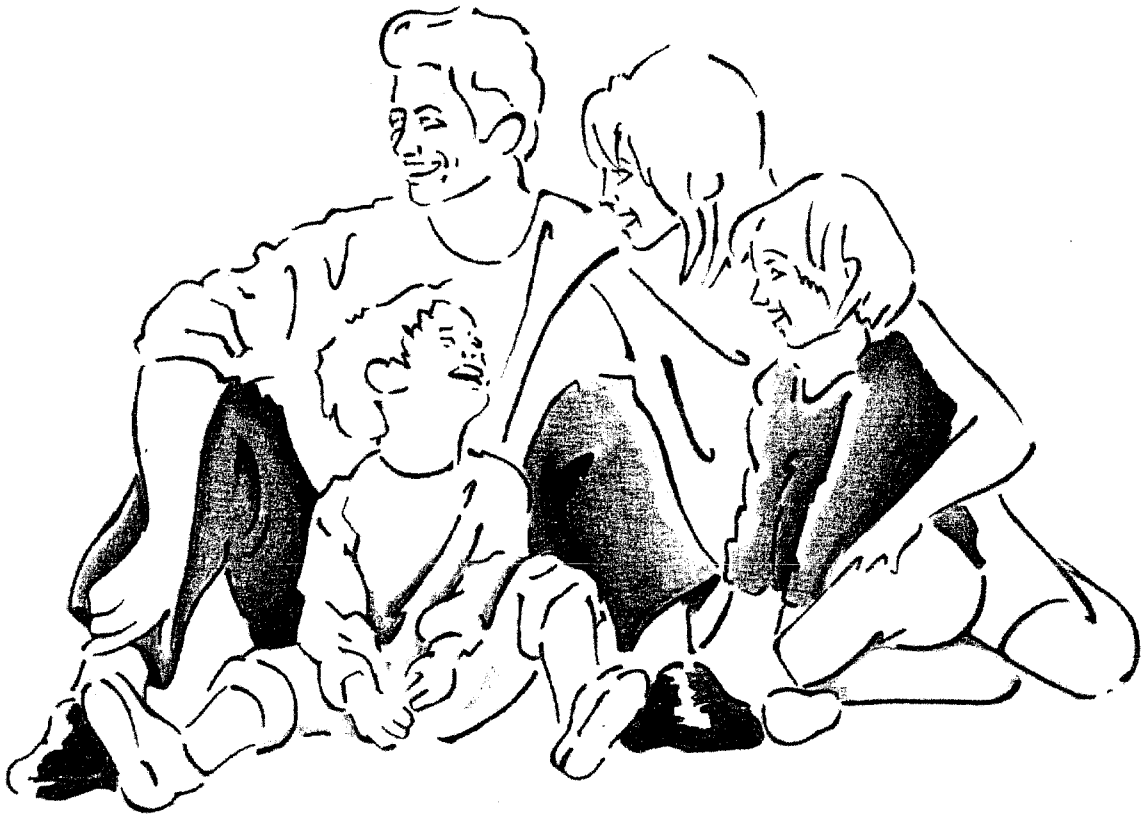
TOSHIBA



Colour Television
NICAM/MPX Digital Stereo
with Text

2853DS

OWNER'S MANUAL



Introduction

Optimum reception of colour and text requires a good signal and will generally mean that a loft or outdoor aerial must be used. The exact type and siting will depend upon your particular area and your local Toshiba dealer will be best to advise.

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Installation:

Positioning your TV
Locate the television where direct sunlight does not impair the picture, soft and indirect lighting is recommended for comfortable viewing.

Avoid locations which are excessively warm, moist or humid to prevent damage to the cabinet and components. Leave at least 10cm clearance around the sides, top and back of the television to allow adequate ventilation and sound response.

Mains Connection
This equipment will operate on any supply between 220 and 240v AC 50Hz. Never connect to a DC supply or any other power source.

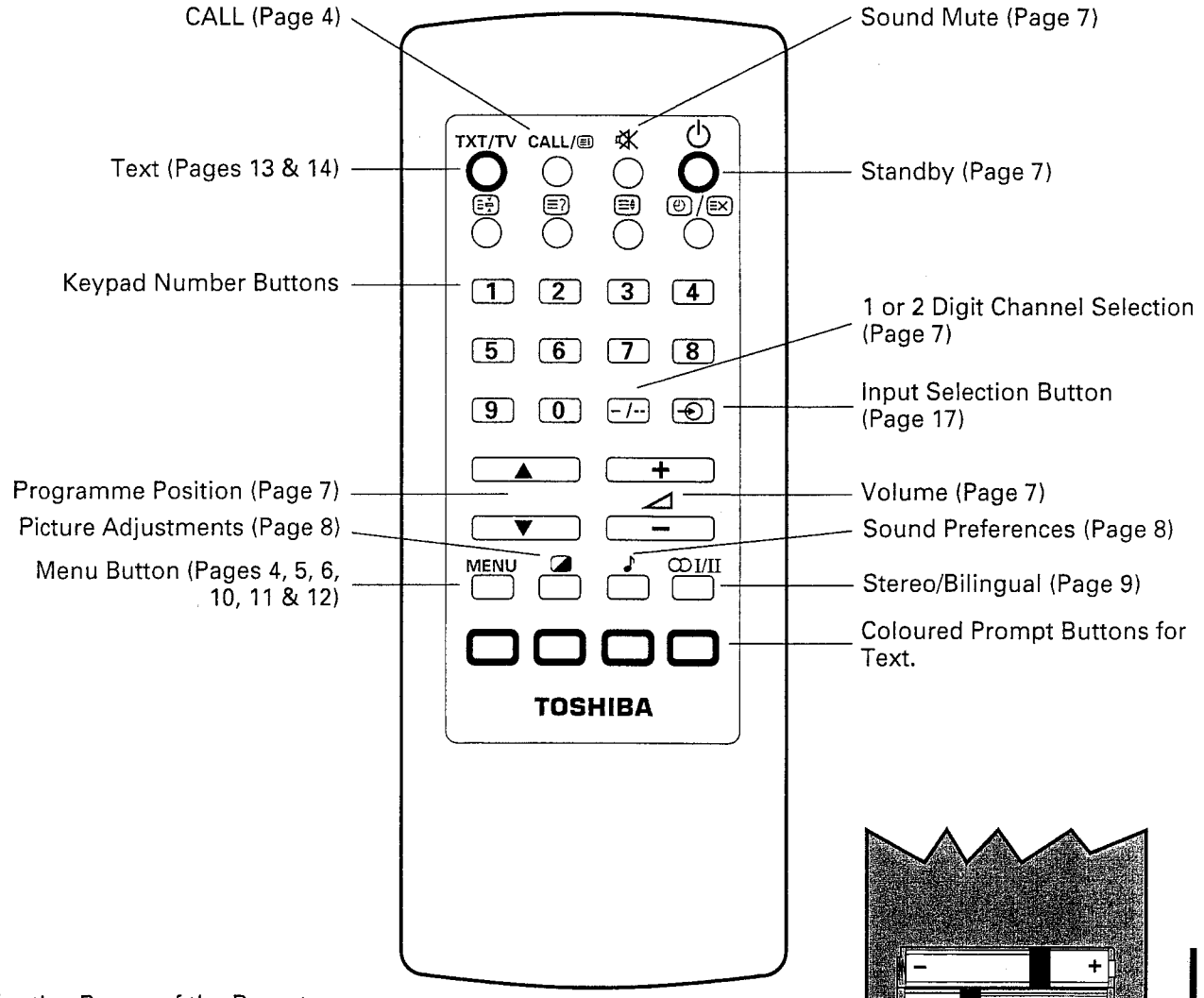
Aerial
To get the clearest picture and best text operation we strongly advise that you use either a roof-top or loft mounted aerial. Your local Toshiba dealer will advise you accordingly.

Connecting up
Connect the Aerial plug to the socket on the rear of the television. Connect the mains plug to a suitable power point and switch on.

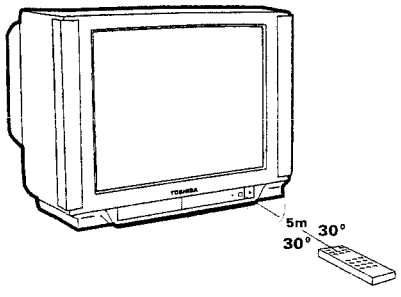
Your remote control

The illustration below is designed to show the areas of the remote control.
Individual buttons are described in the text.

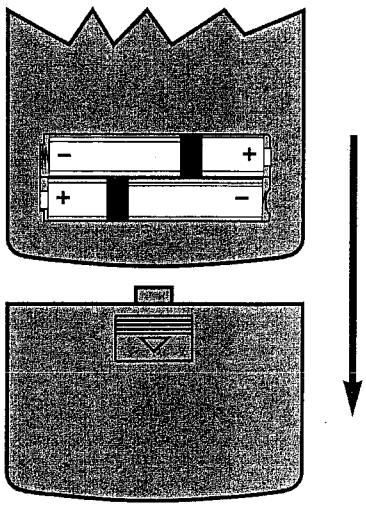
Operation:



Effective Range of the Remote Control



Release the back cover catch of the remote control by pushing in the direction of the arrow. This will reveal the battery compartment. When fitting new batteries take care to observe the correct polarities. All Toshiba batteries are Cadmium and Mercury free. Wherever possible replace with similar batteries. Suitable battery types are: R6, AA.

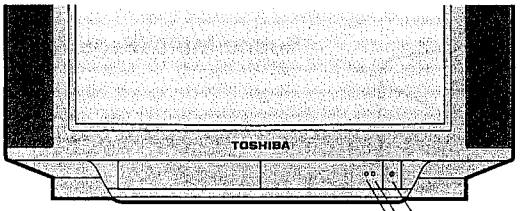


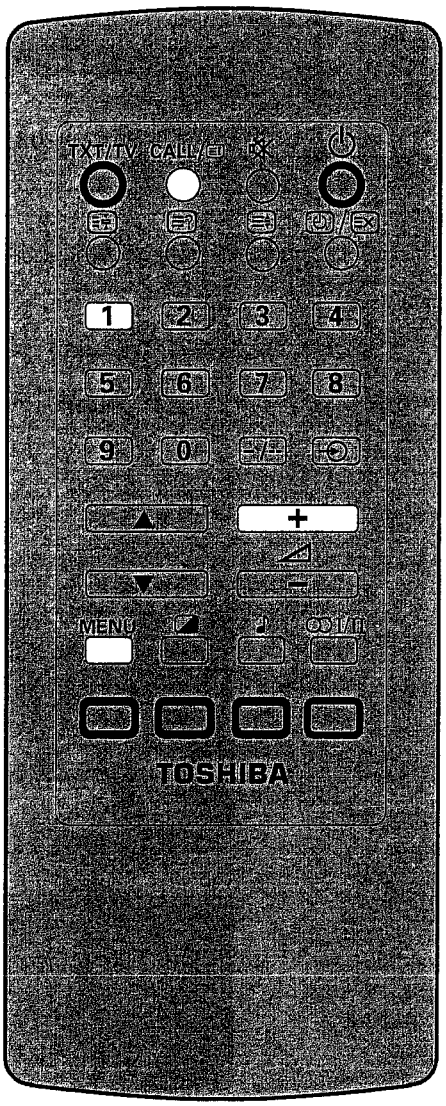
Caution:
DO NOT throw your batteries into a fire. **ALWAYS** dispose of your batteries in a designated disposal area.
DO NOT mix battery types. **DO NOT** combine a used old battery with a new one.

Tuning-in

Due to the complicated map of TV transmitters we are unable to pre-tune all programme positions to suit your local needs. The following simple steps will take you through the process, enabling you to allocate any TV station to any programme position.

Switching on:





Note for engineers: This TV has direct channel entry if the channel numbers are known.
Select the screen in step 4 on page 5, then enter the appropriate channel number using the remote control. To memorise follow steps 6 and 7 on page 6.

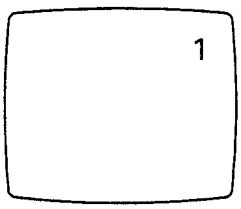
All the displays associated with tuning-in your TV will remain on screen for approximately 15 seconds. To bring a display back simply press the MENU button.

Once you have completed a step, you can cancel any display by pressing the CALL button.

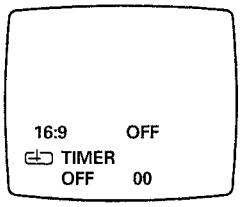
1 If the Power-On light is unlit, press the on/off switch on the front of the TV to switch the set into standby mode.

The Power-On red light will glow.

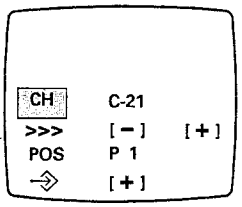
2 Press button 1 on the remote control to turn the TV on.



1 By repeatedly pressing the MENU button on the remote control you can view all the functions available. These are presented as screen displays. To go from one function to the next press the MENU button.



Note: This is the screen you need to tune your TV.

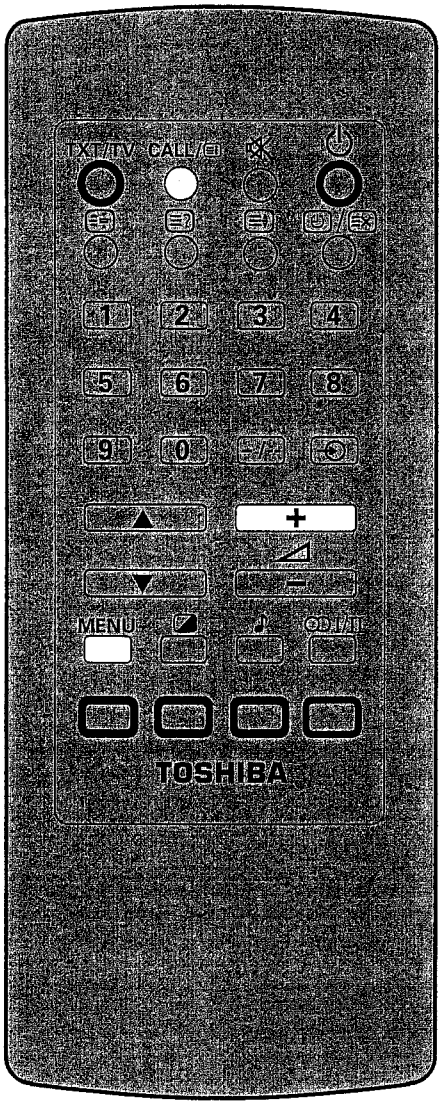


Do not worry if the display disappears, simply pressing the MENU button again recalls the display.

Tuning-in

NOTE: If the display disappears, simply press the MENU button to recall the display. To cancel the display press the CALL button.

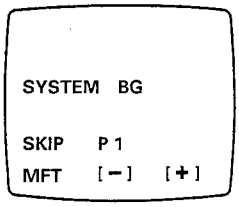
Tuning in:



Note: To tune your television to receive from a satellite receiver or video recorder, connected via the aerial lead, refer to page 17.

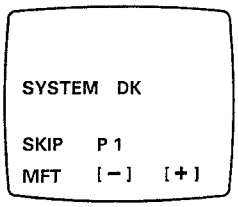
Note: The highlighted function is activated.

2 Press the MENU button on the remote control repeatedly, until the word SYSTEM appears highlighted.



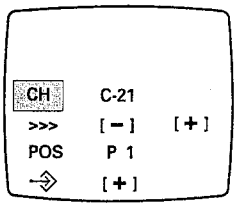
3 Select your system using the ◿+ button, ie B/G or D/K.

B/G for Continental Europe and D/K for Eastern Europe.



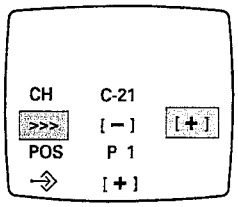
4 Press the MENU button repeatedly to return to the adjacent display.

Note: This is the screen you need to tune your TV. →



5 With the adjacent screen showing, press the MENU button to select the >>> indicator. Press the ◿+ button and the CH (channel indicator) will show the available channels in ascending order while the TV searches for a station.

When a station is found it will be displayed. If the picture quality is poor, due to a weak signal, press the ◿+ button again to restart the search.

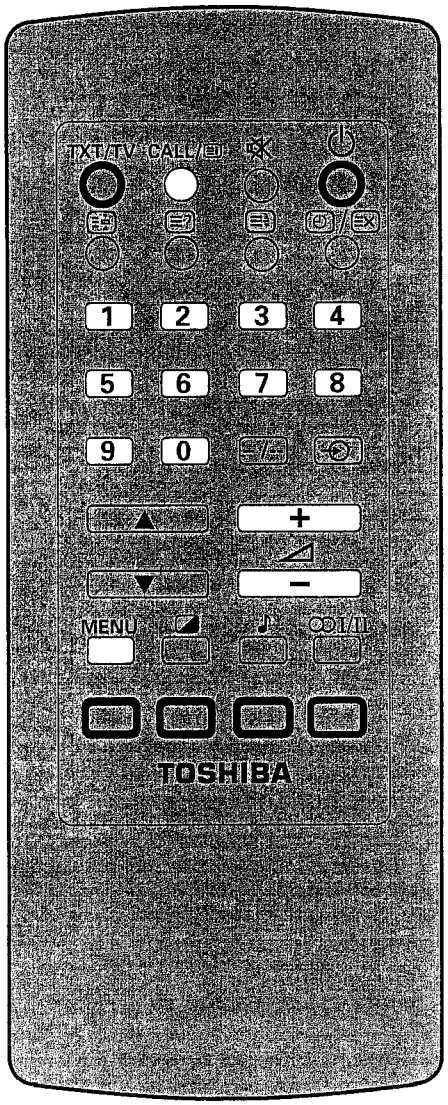


Tuning-in is continued overleaf.

Tuning-in

NOTE: If the display disappears, simply press the MENU button to recall the display. To cancel the display press the CALL button.

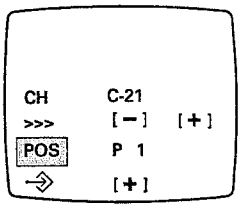
Tuning in and Manual Fine Tune:



Note: To tune your television to receive from a satellite receiver or video recorder, connected via the aerial lead, refer to page 17.

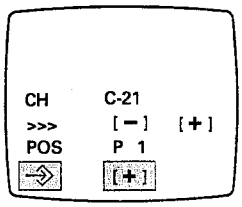
6 Press the MENU button once to select POS (Programme Position).

Enter the desired programme position using two numbered buttons on the remote control. Positions 1 - 9 must be preceded by 0. i.e. 01, 02, 03 etc.



7 Now press the MENU button once more to select ⇨ (Memory Store).

Press the ◿ + button to store the programme position.



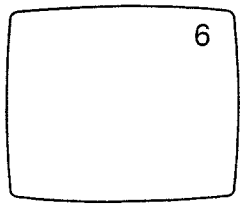
8 The indicator will revert to CH. Repeat steps 3, 4, 5, 6 & 7 for all the remaining stations that you wish to tune in.

Note: If you do not use the ⇨ (Memory Store), the programme position will not be held in memory.

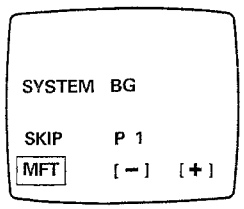
Manual Fine Tune

(Not normally required) will enable you to adjust the tuning manually to find the strongest signal for each programme position.

1 Select the Programme Position that requires Manual Fine Tuning.



2 Press the MENU button repeatedly until the adjacent display appears. Press the ◿ + (or −) buttons to optimise the picture.

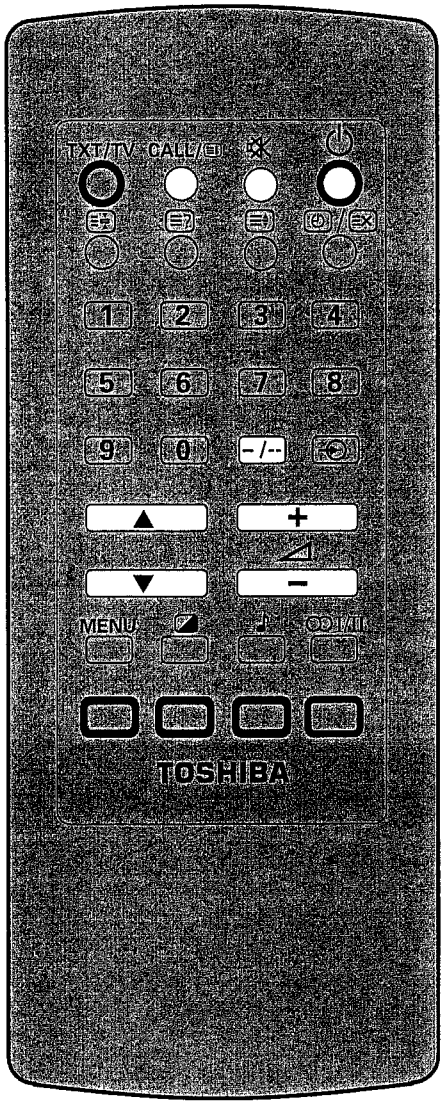


Tuning-in is now complete.

Watching TV programmes

Whilst all the necessary adjustments and controls for your new TV are made using the remote control, you can alter the volume ◿ and programme position Ⓟ using the ▲ or ▼ buttons located under the flap on the front of the TV set. To open, simply press the top right of the panel. **Note: The set must be fully tuned-in to enable you to use these buttons.** (see page 15)

Volume settings, changing programme positions using the remote control:

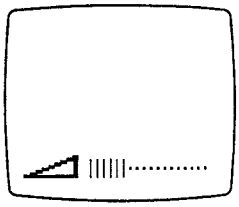


Standby Button ⏻:
This allows you to put the set into standby mode when leaving the TV unattended for short periods of time. To return to TV mode press the ⏻ button, or any of the numbered buttons on the remote control.

To alter the volume

1 To raise or lower the volume press the ◿+ or − buttons.

The display will show the changes.



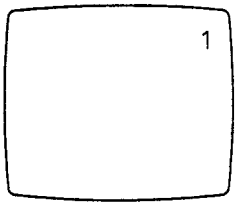
Alternatively:

2 The sound can be muted simply by pressing the 🔇 button. The 🔇 symbol will appear on the screen. To restore the sound press the 🔇 button again.

To change programme position

1 To select a programme position press one of the numbered buttons.

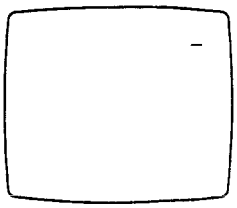
The programme position will be displayed in the top right corner of the screen.



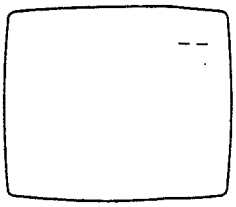
Alternatively:

2 You can change the programme position by using the ▲ button to increase the programme position by one or the ▼ to reduce the programme position by one.

1 For programme positions below 10, press the **-/--** button to select −. Enter the desired programme position number using the numbered buttons on the remote control.



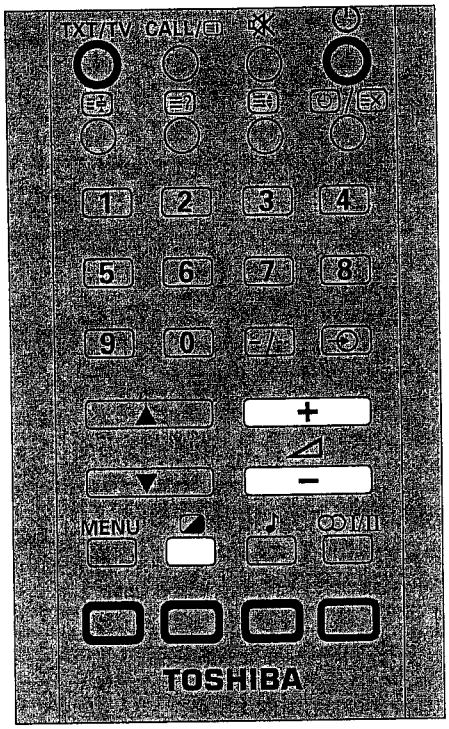
2 For programme positions above 9, press the **-/--** button to select − −. Enter the desired 2 digit programme position number (10-99).



NOTE: To identify the current programme position press the CALL button. Press again to cancel the display.

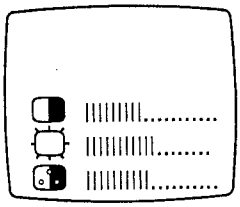
Picture and Sound adjustment

Picture adjustment using the remote control:



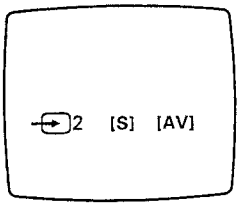
To adjust the Contrast, Brightness and Colour

1 Press the ◪ button repeatedly, to select between the Contrast ◨, Brightness ⊡, and Colour ◧.

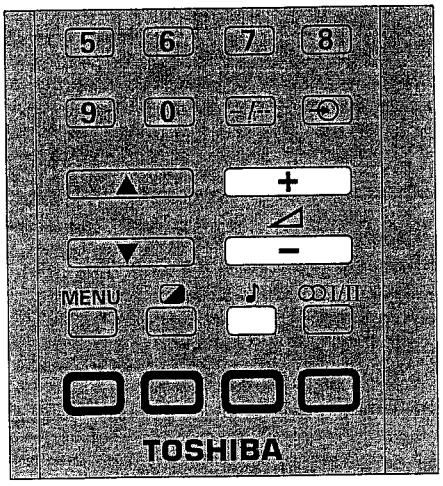


2 You can select your own levels of Contrast, Brightness or Colour. Use the ◿ + button to increase the level and the − button to decrease the level. Any changes made will automatically be stored in memory when the display disappears.

Note: Input 2 Selection ⇥2 (see adjacent screen) is covered on page 10.



Sound adjustment using the remote control:

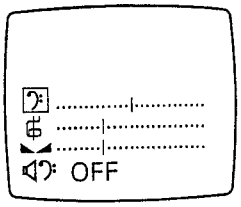


The 'Bass Boost' feature will enhance the sound quality of any broadcast.

Bass Boost increases the depth of sound, giving a richer, deeper and fuller tone.

To adjust the Bass, Treble, Balance and Bass Boost

1 Press the ♪ button repeatedly to select between Bass, Treble, Balance and Bass Boost.



2 To adjust the levels of Bass, Treble, Balance and Bass Boost use the ◿ + and − buttons. Any changes made will automatically be stored in memory when the display disappears.

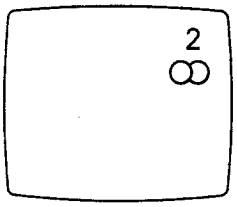
Stereo or bilingual broadcasts

This TV set is designed to receive and automatically select any NICAM/MPX transmissions. The following describes the operation and displays which accompany stereo broadcasts. **NICAM/MPX broadcasts can be in either Stereo or Mono.**

Stereo mode:

If NICAM/MPX broadcasts are transmitted the ⊙⊙ symbol will appear in the upper right corner of the screen, after a few seconds the display will disappear. The display will reappear each time you change programme positions.

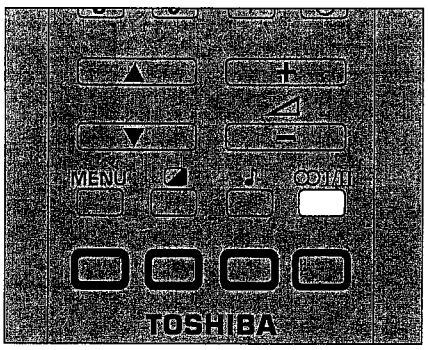
Note: NICAM/MPX broadcasts can be in stereo or mono.

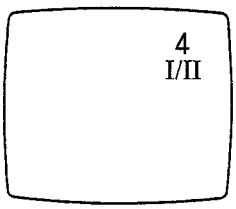


Some common problems with reception:

1 Your local transmitter has not been upgraded for NICAM/MPX e.g. No stereo indicator appears.
2 The original soundtrack of the film etc. was recorded in mono. Note: NICAM/MPX indicator appears but sound is in mono.

Note: For NICAM/MPX information please refer to the TV programme magazine or text pages for your area.

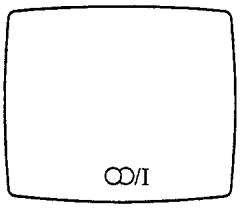




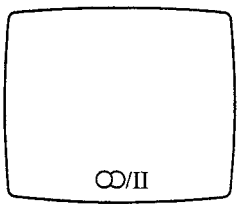
	MPX		NICAM	
Symbol	Stereo	Bilingual	Stereo	Bilingual
⊙⊙/I	Stereo	Language 1	Stereo	Language 1
⊙⊙/II	Stereo	Language 2	Stereo	Language 2
▽	Mono	Language 1	AM/FM	AM/FM

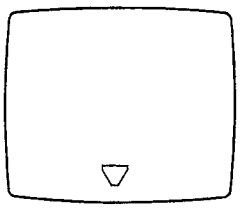
To select stereo/mono mode

1 Press the ⊙⊙I/II button repeatedly, the ⊙⊙/I, ⊙⊙/II and ▽ symbols appear alternately in the lower part of the screen.



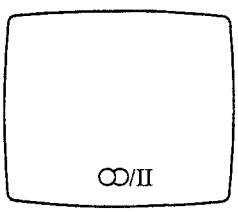
2 Select ⊙⊙/I or ⊙⊙/II for Stereo sound, or ▽ for mono.



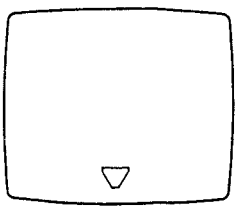


To select bilingual mode (when transmitted)

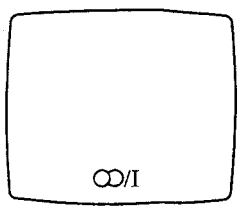
1 Press the ⊙⊙I/II button repeatedly, the ⊙⊙/I, ⊙⊙/II and ▽ symbols appear alternately in the lower part of the screen.



Select ⊙⊙/I for language 1, ⊙⊙/II for language 2 or ▽ for normal mono. (This has the same effect as for language 1).



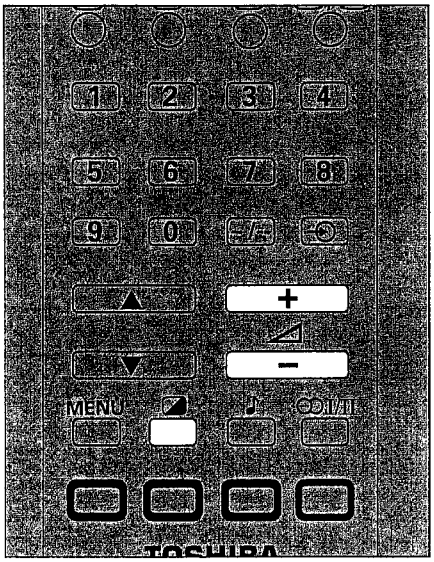
Bilingual transmissions are rare. If bilingual broadcasts are transmitted the I/II symbol will be displayed.



MENU's

In addition to the screen displays already discussed, the following pages cover the additional features of your new Toshiba TV.

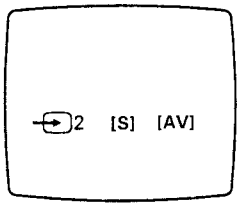
External AV input ⇥2:



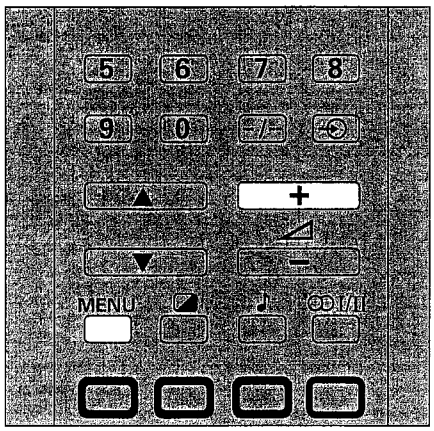
To select - External AV Scart ⇥2

This feature enables the selection of the type of video recorder to be connected to the number 2 scart socket. The [S] sets up the television for S-Video, the [AV] sets the television for standard video recorders.

1 Press the ◪ button repeatedly to bring up the adjacent display. Press the ◿+ (or −) buttons to select the required input signal for ⇥2.



Skip:

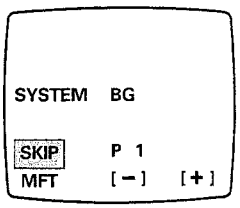


The Skip feature enables you to prevent certain programme positions from being viewed.
For example, if you are going out for the evening and you do not wish your children to watch a certain film etc., you can skip the programme position and take the remote control with you. The TV will function normally, using the controls on the front of the TV but the set will not show the skipped programme position.

Note: A * will appear beside a skipped programme position when using the numbered buttons on the remote control.

To skip a channel
(Repeat for all programme positions to be skipped)

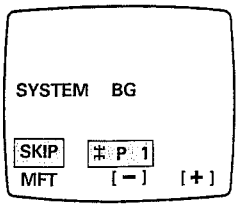
1 To turn the SKIP function on or off, use the remote control to select the programme position number to be changed.



2 Press the MENU button repeatedly until the adjacent display appears.

Press the MENU button to highlight SKIP.

Press the ◿+ button to turn the SKIP function on or off.



16:9

This feature has been added for programmes which are transmitted in the wide screen format.

16:9:

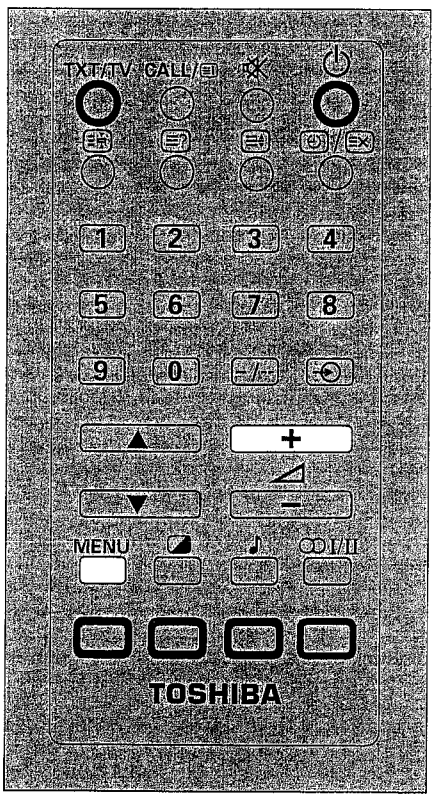
Your new Toshiba TV is capable of showing TV broadcasts in 2 formats, Normal (4:3) and Wide Screen (16:9).

Most feature films are shot in wide screen (16:9) format, which is then compressed at the studio. With the growth of satellite broadcasts, more and more films are broadcast in Wide Screen format.

If you view a Wide Screen broadcast in Normal (4:3) mode the aspect ratio (height compared to width) will be incorrect.

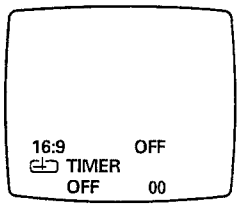
The aspect ratio of the transmission can be corrected by a feature known as picture compression. When viewing a transmission in this mode the images on the screen are restored to their normal proportions. Black bars will appear at the top and bottom of the screen.

NOTE: There could be interference lines outside the viewing area, this is normal.

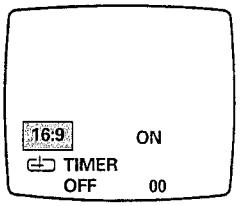


To alter aspect ratio

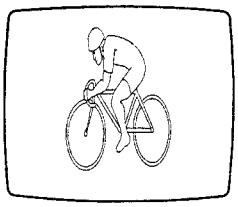
1 Press the MENU button repeatedly to bring up the adjacent display.



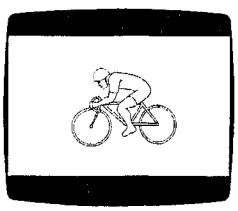
2 Press the ◿ + button to select 16:9.



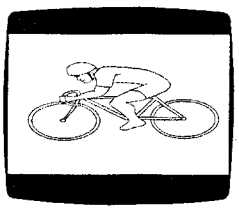
The adjacent display shows normal format viewing a wide screen transmission.



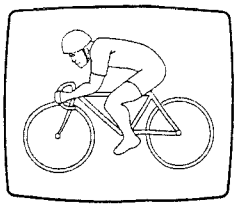
By pressing the ◿ + button the aspect ratio is altered and the images are restored to their normal proportions.



Viewing a normal transmission whilst in 16:9 format will result in the images being reduced as shown in the adjacent display.



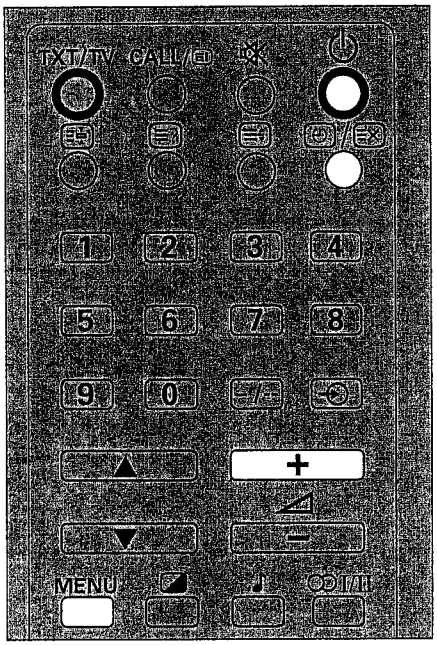
To revert to normal 4:3 format, simply press one of the numbered buttons on the remote control.



MENU's

The Timer is especially useful if you want the television to turn itself to standby after a selected period of time ie 30, 60, 90 or 120 minutes. For example: If you want the set to turn itself to standby in 30 minutes time follow the procedure below.

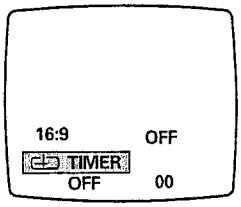
Timer, 'No Signal - Automatic Off', Time display:



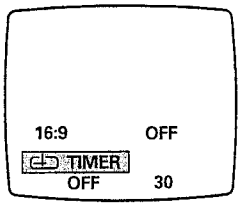
This set incorporates a 'No Signal - Automatic Off' feature which will turn the TV to standby approximately 15 minutes after the broadcast station closes down.

To select the Off Timer

1 Press the MENU button to bring up the adjacent display. Press the MENU button to select ⏲ (Timer).



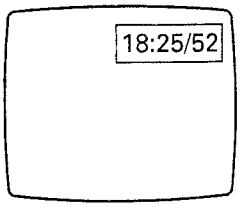
2 Press the ◿ + button repeatedly to select between 00 (no OFF time set), 30, 60, 90 and 120 minutes.



Note: To return the set to TV mode after the timer has operated press either the ⏻ button or any of the numbered buttons on the remote control.

To select the Time Display

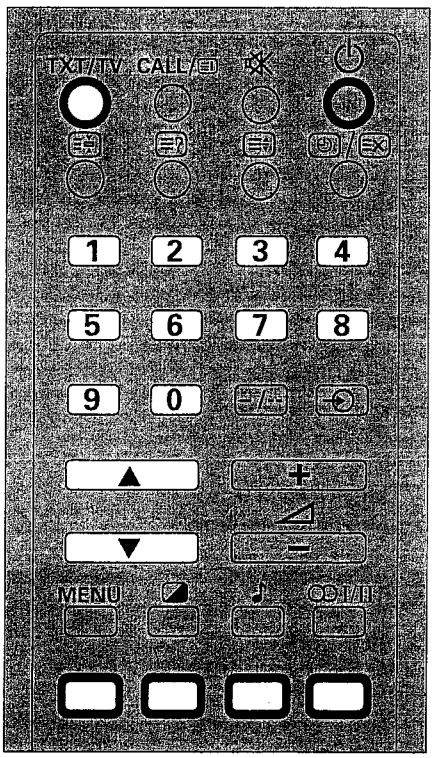
1 If you press the ⏲/EX button whilst watching a normal TV broadcast, you will see a very accurate time display appear in the top right corner of the screen.
ie 6.25 and 52 seconds p.m.



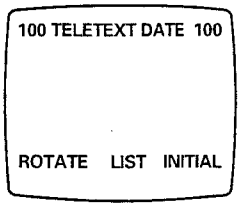
Normal text (LIST mode)

Using Text:

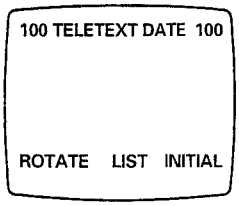
When you first select text you will see an index page which briefly outlines the main subject areas and their relevant page numbers. You can access any text page by simply entering the appropriate 3 digit page number using the numbered buttons on the remote control.
A feature of this set is that you can programme up to four of the most frequently used text pages. For example: If you use teletext to see what's on TV you can programme the set to hold these pages in memory. So each day whenever you select text, you will be able to view these pages almost instantly.
In addition you can programme the set to display the same page each time you switch the TV on. This could be a complete index page, a horoscope page etc.
All of these options are available for each programme position (0-9 only). For example: You can pre- select an initial page for the teletext service programme position 1, a different initial page for programme position 2 and so on.



1 Press the **TXT/TV** button to select TEXT. Enter the required 3 digit page number using the numbered buttons on the remote control.

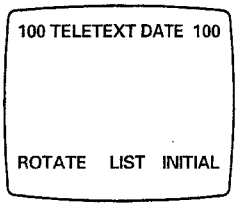


2 To programme the set to hold 4 pages in memory. (Programme positions 0-9 other positions only 1 page). Select the LIST function by pressing the GREEN button on the remote control.

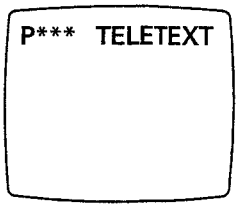


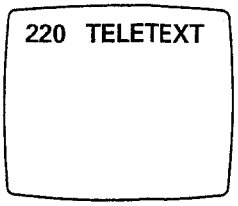
Enter the first page number and then press the GREEN prompt button. The page number in the lower right corner of the screen will appear in purple. Repeat for each of the desired 4 pages.

3 To view the selected pages press the RED button for ROTATE.



4 To pre-programme an initial page.
Select the INITIAL function by pressing the YELLOW coloured button on the remote control unit.
The numbers in the top left corner of the screen will appear as P*** in red. Enter the required 3 digit page number. As you key in the desired initial page, for example Page 220, the numbers will replace the P***.

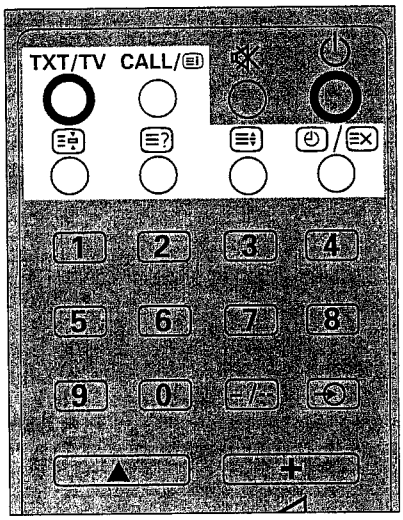




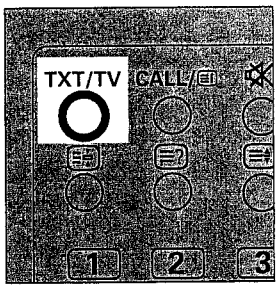
The text buttons on the remote control

Below is a brief introduction to the text buttons on your remote control and their functions.
Note: It is not possible to change programmes whilst in the Text Mode.

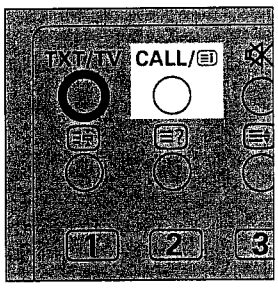
Text:



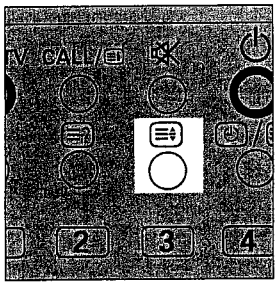
1 TXT/TV To display a page of text:
Press the **TXT/TV** button to display the initial page. Press again to superimpose the text over a normal broadcast picture. Press again to return to normal TV mode.



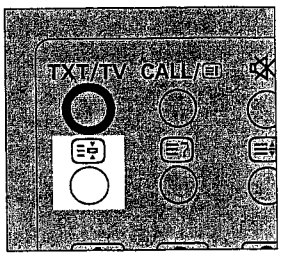
2 To display an index page:
Press the button to call up the index page for the subject area you are viewing. If you are viewing a section index, by pressing the button again you will see the general index.



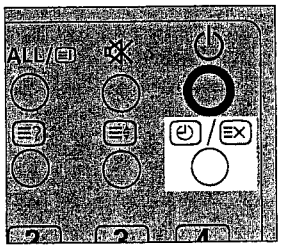
3 To enlarge the text display size:
Press the button once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to the normal size.



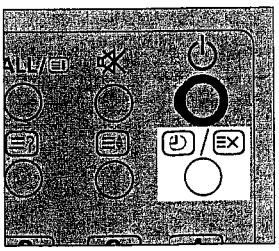
4 To hold a wanted page:
At times it is convenient to hold a page of text. Press the button and the word HOLD will appear in the top left of the screen. Press again to release.



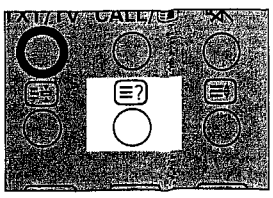
5 / To select a page whilst viewing a normal picture:
If, whilst in text mode, the / button is pressed, a normal picture will be displayed. A page selection can be entered and the TV will indicate its presence by displaying a box with the selected page number. Press the **TXT/TV** button to view the page.



To display news flashes:
To view news flashes as they are broadcast, select the news flash page for the particular text service (see the index page of text service). Press the / button. The news flashes will be displayed as and when they are broadcast. Press the / button to cancel the display. Note: It will not be possible to change programme position whilst in this mode, you will have to press the **TXT/TV** button to cancel the text first.

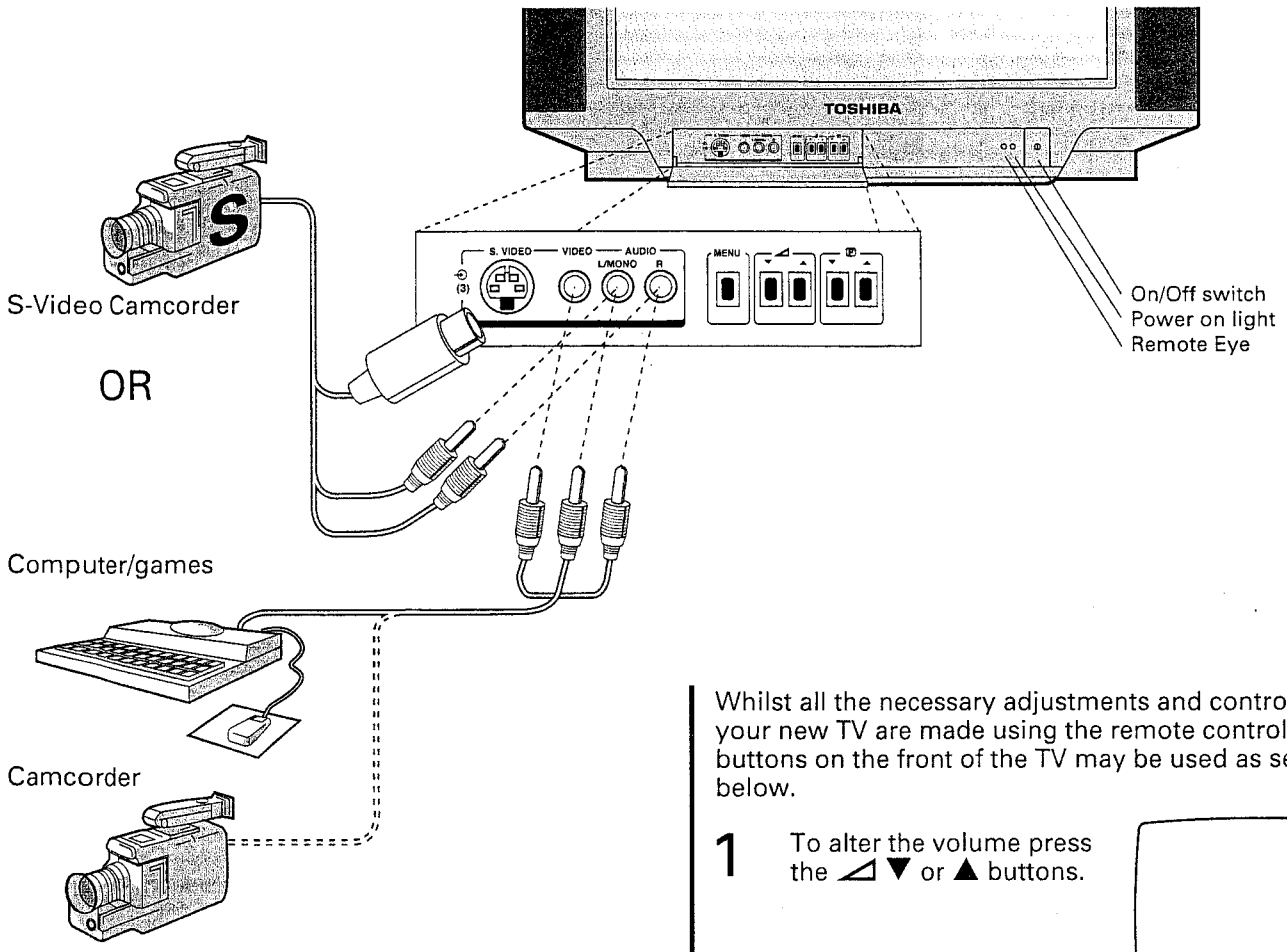


6 To reveal concealed text:
Some pages cover topics such as quizzes and jokes. To discover the solutions press the button.



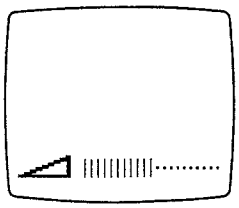
TV Front Connections

For your convenience you can now make connection of camcorders, computer games etc. much more easily. These are accessible through the sockets located behind the flap on the front of the TV set. To open, simply press the top right of the panel.

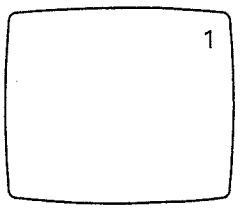


Whilst all the necessary adjustments and controls for your new TV are made using the remote control, the buttons on the front of the TV may be used as set out below.

1 To alter the volume press the ◿ ▼ or ▲ buttons.

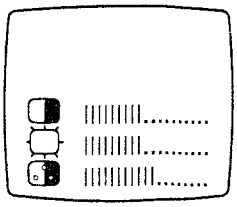


2 To alter the programme position press the Ⓟ ▼ or ▲ buttons.



1 Pressing the MENU button repeatedly, will enable you to select between the menus and Normal TV.

2 Press the Ⓟ ▲ (or ▼) buttons to select any function. To adjust the levels press the ◿ ▲ (or ▼) buttons next to the menu button.



Note 1: Do not connect equipment to both the front input sockets at the same time.

Note 2: Picture Centring Control.
If when using a computer the display is to one side see page 16.

For your guidance

If your TV fails to operate correctly, we recommend that the following simple checks are carried out before contacting your local Toshiba dealer.

Simple problem solving:

No Picture or Sound.
Check mains switches are on, press ⏻. Plug into a known working mains socket. 'Timer off' facility has operated.

If in doubt, contact a competent electrician.

Poor or no Picture.
Try a different TV station, check your aerial and connections. Adjust fine tuning.

Problems with text.
Go to the main index page of the text service and look for the User Guide. This will explain the basic operation of text in some detail.

Sound not in Stereo.
Check that your local transmitter is equipped to broadcast in Stereo.

Good picture but no sound.
Press 🔇 or ◿+.

Remote Control does not work.
Check the batteries.

Coloured patches on screen.
Caused by magnetic field interference, turn off TV for 10 minutes, turn on again, fault of temporary nature.

VTR or Satellite picture in Black and White.
Ensure the correct input socket is being used and that the socket is not switched to S-Video.

Safety tips:

SOME DO'S AND DON'TS ON THE SAFE USE OF EQUIPMENT. PLEASE READ THE FOLLOWING POINTS CAREFULLY. THEY ARE OF A GENERAL NATURE, INTENDED TO HELP YOU WITH ALL YOUR ELECTRONIC CONSUMER PRODUCTS. SOME ITEMS MAY NOT APPLY TO THE GOODS YOU HAVE JUST PURCHASED.

This equipment has been designed and manufactured to meet international safety standards, but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

DO read the operating instructions before you attempt to use the equipment.
DO ensure that all electrical connections, including the mains plug, extension leads and inter connections, between pieces of equipment, are properly made and in accordance with the manufacturers instructions. Switch off and withdraw the mains plug when making or changing connections.
DO leave 10 cm space around the top, back and sides of the television to allow adequate ventilation and sound response.
DO be careful with glass panels or doors on equipment.
DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way - switch off, withdraw the mains plug and consult your dealer.
DON'T remove any fixed cover as this may expose dangerous voltages.
DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.
DON'T leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.
DON'T listen to headphones at high volume, as such use can permanently damage your hearing.
DON'T obstruct the ventilation of the equipment for example, with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.
DON'T use makeshift stands and NEVER fix legs with wood screws - to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided, according to the instructions.
DON'T allow electrical equipment to be exposed to rain or moisture.
ABOVE ALL - NEVER let anyone, especially children, push anything into holes, slots or any other openings in the case - this could result in a fatal electric shock - NEVER guess or take chances with electrical equipment of any kind - it is better to be safe than sorry.
DON'T place anything on the top of your TV set. The top surface is curved and any falling items could damage your TV.

Cleaning the screen and cabinet.
After turning off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

Specifications, accessories

Specifications and Accessories:

Receiving system	CCIR (B/G-PAL) TV Broadcast Standard VHF: 2-4, 5-12, S1-S20, S21-S41 UHF: 21-69
	CCIR (D/K-PAL) TV Broadcast Standard VHF: 1-12 UHF: 21-69
External Audio/Video input/output	(PAL/PAL 60 Hz)
Programme Positions	100
AV in/out rear	(Scart - 1) Full - 21 pin (RGB, Normal Video, Audio L-R)
AV in/out rear	(Scart - 2) S-VHS (Normal Video, Audio L-R)
AV input front	(4 Pin S-VHS, RCA jack) (Normal/S- Video, Audio L-R)
Sound output (at 10% distortion)	Main 10W + 10W rms.
Dimensions	760mm (W) 569mm (H) 480mm (D)
Weight	33.5Kg (approx.)
Power consumption (at AC 220-240V 50Hz)	105W
Standby	6.5W
Accessories	1 x Remote control 2 x (R6, AA) batteries

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Toshiba Consumer Products Ltd
Northolt Avenue, Ernesettle, Plymouth, Devon PL5 2TS England
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